

Plasma Shutter Prepulse Suppression Measurements

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Abstract

Contrast between ultrashort pulse and prepulse energy was improved by a factor >625 upon reflection at Brewster's angle from a dense, SiO₂ plasma. Pulsewidth reduction, spectral broadening and spatial filtering are observed in the reflected pulse.

This work was performed under the auspices of the U. S. Department of Energy by Lawrence Livermore National Laboratory under contract No. W-7405-Eng-48.